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of the Process of Fertilization," by J. Loeb; and "Mammalian Smooth Muscle: The Cat's Bladder," by C. C. Stewart.

The concluding number of Vol. XVI of the *Journal of Morphology* contains: "The Development of the Coxal Gland, Branchial Cartilages, and Genital Ducts of *Limulus polyphemus*," by W. Patten and A. P. Hazen; "The Embryology of a Termite," by H. McE. Knowler; "The Gastrulation of *Amphioxus*," by T. H. Morgan and A. P. Hazen; and "Photographs of the Egg of *Allolobophora* Fœtida," by K. Foot and E. C. Strobell.

BOTANY.

Text-Book of Botany.¹—A copiously illustrated text-book of botany has been issued recently from the press of Baillière & Co., under the editorship of Felix Alcan, the object of which appears to be to supply a work of reference for university students, to which purpose it is well adapted. The treatment of the subject is logical and thorough, and generally in accord with the most recently ascertained facts, although adherence to an obsolete classification detracts somewhat from its usefulness. Under ten separate parts, the work presents a comprehensive view of plant life in all its phases, and discusses the place which plants occupy in nature. These are, respectively: (1) The Structure, Properties, and Products of the Body in general; (2) The Tissues; (3) The Structure of Members; (4) Growth of the Plant; (5) Nutrition; (6) Plant Associations—Symbiosis; (7) Movement; (8) Reproduction and Development; (9) Structure and Development of Cryptogamic Plants; (10) Ferments.

It is especially gratifying to find a recent work which takes a comprehensive view of the entire subject, and the chapters on Ferments and Plant Associations will be found particularly acceptable to students who wish to study these subjects in their proper relations to the general phenomena of plant life.

D. P. P.

Notes.—An expected upheaval of generic and higher botanical names begins in the June number of the *Allgemeine Botanische*

¹ Bebzung, Er. *Anatomie et Physiologie Végétales*. Paris, Baillière, 1900. 8vo, 1303 pp., 1700 figs.